

**ABSTRACT OF THE DISCLOSURE**

[0021] The application discloses a system and a method of selecting a profile of a digital subscriber line. In a particular embodiment, the method includes determining a number of code violations of the digital subscriber line; determining a first estimated data packet throughput value associated with a first profile based on the number of code violations; determining a second estimated data packet throughput value associated with a second profile based on the number of code violations; and selecting a profile to be applied to the digital subscriber line based on a comparison of the first estimated data packet throughput value and the second estimated data packet throughput value.